



Sandvik UD211

Wheeled dual-stage unit

The UD211 is a complete two stage processing unit fully assembled on a single trailer frame. Featuring the SW 0843H vibrating feeder, highly reliable and productive CJ409 jaw for primary crushing, CH420 cone for secondary crushing, a looping belt conveyor for excellent feed to the SB1542 vibrating screen, it offers a highly versatile, high-end capacity plant capable of processing 1-4 products at a low cost-per-ton operation.



Key benefits

Reliability

- Market leading CJ409 and CH420 cone for reliability and high performance
- All onboard components are electrically driven giving reliability and minimal maintenance
- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability
- Capable of operating in the most hostile environments

Productivity

- Large feed opening with high capacity reduction
- Jaw crusher possesses an ideal nip angle for smooth material flow, high reduction efficiency and single-toggle operation with a deep crushing chamber, it has an easy setting adjustment for simple and efficient operation
- Cone crusher unibody mainframe ensures optimal strength and less maintenance
- Hydraulic cone Hydroset™ setting (CSS) and overload protection for maximum uptime
- Constant liner performance (CLP) crushing chambers permits constant feed acceptance capability, increased output, high quality products and increase liner life
- Grizzly feeder with adjustable openings and by-pass chute for greater flexibility. It has a wire cloth screening element beneath the grizzly to remove natural fines
- Choice of several different settings for a wide range of applications, enabling fine tuning to your specification and improved capacity
- Frequency inverter for feeder speed control in order to provide step less regulation of the feed rate
- Multi slope linear motion vibrating screen for high capacity and accuracy
- Simple and efficient, designed for trouble free operation

Cost of ownership

- Low cost-per-ton due to electric operation
- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity

Safety

- Removable electrical control panel can be located on the ground during operation
- Crusher mounted safety guards and multiple emergency stop buttons for safe operation
- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance

Sustainability

- Low emissions due to electrical operation, reducing CO₂ emissions
- Quality components ensure longer lifetime and support optimized service and maintenance

Support

- Extensive distributor, sales and service network

Technical specification

Key specifications	UD211
Feed station	
Type	SW0843H Vibrating feeder
Grizzly length	1.2 m / 4'
Grizzly gap	70, 90 or 105 mm
Drive	2.7", 3.5", 4.1"
Hopper	Electric motors 2 x 3 kW 12 m ³ / 424 ft ³
Screen	
Type	Sandvik SB1542 linear motion
Decks	3 deck
Size	1500 mm x 3600 mm / 5' x 12.1'
Drive	Electric motor 2 x 7,5 kW
Crusher	
Type	Sandvik CJ409 jaw crusher
Feed opening	895 mm x 660 mm / 35" x 26"
CSS range	40 - 180 mm / 1 5/8 - 7" *
Adj type	Through shims
Drive	Electric motor 75 kW, 6 pole
Secondary	Sandvik CH420 cone
CSS range	19 - 32 mm - 1" - 4.72" *
Adj type	Hydraulic
Drive	Electric motor 90 kW, 4 pole
ASRI	Optional
Loop conveyor	
Belt width	900 mm / 35"
Length	15 m / 49' 2"
Drive	Electric motor 11 kW

Key specifications	UD211
Power system	
All electrics are intended for connection to a mains supply	
Total power	203.6 kW
Supply voltage	415-50 Hz / 440V-60 Hz / 3-phase AC
Control voltage	220 V-50/60 Hz / 3-phase AC
Running gear	
Type	2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights Tyres 10" x 20" - 16 ply
Transport dimensions	
Length	16.53 m / 54.23'
Width	2.50 m / 8.20'
Height	4.00 m / 13.12'
Standard weight	52,000 kg / 114,640 lbs
Operating dimensions	
Length	16.61 m / 54.49'
Width	3.95 m / 12.95'
Height	5.06 m / 16.60'
Performance	
Max feed size	
CJ409	600 mm / 23.6"
CH420	130 mm / 5.1"
Capacity (up to)	150 mtph / 165 stph *
Note. All weights and dimensions are for standard units only	

Standard specification

- Self contained electrical switchgear cabinet
- Maintenance platform with handrails and access ladder
- Safety guards to crusher drives
- Emergency stop buttons
- 2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights.
Tyres 10" x 20" - 16 ply
- Trailer suitable for 24 V supply

* Application specific. Please contact a Sandvik representative for clarification on specifications and options
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